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CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

AMHERST COLLEGE,

FOR THE

ACADEMICAL YEAR

1853—4.

AMHERST:
J. S. & C. ADAMS & CO., PRINTERS.
OCTOBER, 1853.

CORPORATION.

Rev. EDWARD HITCHCOCK, D. D., LL. D., President.
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LUCIUS BOLTWOOD, Esq.,
SECRETARY.

Hon. EDWARD DICKINSON,
TREASURER.

OVERSEERS OF THE FUND

IN AID OF INDIGENT STUDENTS.

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Rev. SAMUEL OSGOOD, D. D., of Springfield.
Rev. CYRUS MANN, of Falmouth.
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COMMISSIONER.

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AND OTHER OFFICERS.

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PRESIDENT, and Hitchcock Professor of Natural Theology, and of Geology.

REV. AARON WARNER, A. M.,
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Graves Professor of the Greek Language and Literature.

REV. JOSEPH HAVEN, A. M.,
Professor of Intellectual and Moral Philosophy.

GEORGE B. JEWETT, A. M.,
Moore Professor of Latin, and Modern Languages.

WILLIAM S. CLARK, Ph. D.,
Professor of Analytical and Applied Chemistry, and Zoology.

SAMUEL FISK, A. M.,
Tutor.

GEORGE HOWLAND, A. M.,
Tutor.

JOHN E. SANFORD, A. B.,
Tutor.

Rev. JAMES L. MERRICK, A. M.,
Instructor in Persian, Turkish and Arabic, and Lecturer on Mohammedan Literature.

Rev. JOHN A. NASH, A. M.,
Instructor in Agriculture.

LUCIUS MANLIUS BOLTWOOD, A. M.,
Librarian.

ABBREVIATIONS.

N. C. - - - - -	North College.
M. C. - - - - -	Middle College.
S. C. - - - - -	South College.

SENIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
Bosworth, George	Champlain, N. Y.,	14 M. C.
Canfield, Averill Burton	So. Britain, Ct.,	Rev. Cummings's.
Clarke, James Franklin	North Orange,	9 S. C.
Cooley, Edwin	Sunderland,	26 M. C.
Crane, Alexander Baxter	Berkley,	31 N. C.
Crane, Edward Augustus	Berkley,	31 N. C.
Dadmun, Appleton	Marlboro,	23 S. C.
Dimock, Edwin	North Mansfield, Ct.,	13 N. C.
Emmons, Henry Vaughan	Hallowell, Me.,	Rev. Mr. Ober's.
Fay, Henry Clinton	Westboro',	Miss L. Dickinson's.
Ford, James	Lyme, O.,	28 N. C.
Fowler, William Worthington	Amherst,	Prof. Fowler's.
Frierson, Samuel Mayes	Columbia, Tenn.,	32 N. C.
Goodnough, Adoniram Judson	Sudbury,	Mrs. Moore's.
Hartzel, Josiah	Deerfield, Ohio,	6 N. C.
Hitchcock, Milan Hubbard	No. Bergen, N. Y.,	Mrs. Moore's.
Hollaway, Charles Hoover	Philadelphia, Penn.,	31 S. C.
Hubbard, Franklin	Sunderland,	27 S. C.
Kimball, Charles Augustine	Ipswich,	22 S. C.

NAMES.	RESIDENCES.	ROOMS.
Kimball, John Calvin	Ipswich,	24 N. C.
Matthews, Albert	Leverett,	27 N. C.
Mayes, Albert Wingfield	Ashwood, Tenn.,	27 S. C.
Merrill, Willard	Rome, N. Y.,	26 N. C.
Nickerson, Alpheus Sanford	South Dennis,	10 N. C.
Olcott, Edward Burns	New Orleans, La.,	27 N. C.
Partridge, George	Randolph, Vt.,	23 N. C.
Pease, Edmund Morris	Granby,	8 M. C.
Prentiss, Norman Alling	Quincy, Ill.,	13 N. C.
Rugg, Charles Parks	Hinsdale, N. H.,	24 N. C.
Small, Uriel Whitney	Pownal, Me.,	27 M. C.
Smith, Horace Payson	Salem,	22 S. C.
Underhill, John Winn	Ipswich,	6 M. C.
Wilson, Charles Augustus	Derry, N. H.,	7 N. C.

JUNIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
Bennett, Eli Gilbert	Georgetown, Ct.,	29 S. C.
Bissell, Edwin Cone	Rockville, Ct.,	10 S. C.
Boardman, Joseph	Amesbury,	Rev. Mr. Ober's.
Bridgman, Albert Henry	Belchertown,	H. A. Bridgman's.
Brown, Francis Frederic	Sudbury,	29 S. C.
Buck, Charles Wentworth	Cambridge,	Rev. Mr. Ober's.
Caldwell, John Curtis	Swanton, Vt.,	12 S. C.
Choate, Rufus, Jr.	Boston,	Rev. Mr. Ober's.
Cobb, James Thornton	Boston,	Mr. Cobb's.
Colton, John Jay	Georgia, Vt.,	29 N. C.
Cook, Oliver Wade	Deckertown, N. J.,	10 M. C.
Crowell, James Wilson	Londonderry, N. H.,	11 M. C.
Darling, William Henry	Warsaw, N. Y.,	Rev. Mr. Ober's.
Derby, Hasket	Boston,	Mrs. Emerson's.
Dickinson, William Eastman	North Amherst,	6 S. C.
Dunlap, George Edward	South Deerfield,	10 S. C.
Fisk, Asa Severance	Shelburne Falls,	Mrs. Emerson's.
Fitch, Appleton Howe	Hopkinton,	8 N. C.
Graves, John Long	Sunderland,	Rev. Mr. Ober's.
Hallock, William Allen	Amherst,	18 S. C.
Hardon, Charles	Mansfield,	Rev. Mr. Ober's.
Hart, Nathaniel Coleman	Mt. Kisco, N. Y.,	31 S. C.

NAMES.	RESIDENCES.	ROOMS.
Hartwell, John	Lincoln,	16 N. C.
Hawley, Franklin Ebenezer	Ridgefield, Ct.,	Rev. Mr. Ober's.
Howard, Martin Stoddard	Milford,	25 S. C.
Hoyt, Dixi Crosby	Framingham,	25 M. C.
Hughitt, William Edgar	Genoa, N. Y.,	24 S. C.
Hull, Savilian Richard	Cheshire, Ct.,	Mr. Pierce's.
Jefferds, Chester Daniels	Blackstone,	27 M. C.
Jocelyn, Dana Israel	Georgia, Vt.,	29 N. C.
Joy, William Leonard	Townshend, Vt.,	18 S. C.
Kelsey, Sylvester Henry	Evansville, N. Y.,	6 S. C.
Lord, James Brown	Ipswich,	16 N. C.
McClung, Matthew	Knoxville, Tenn.,	Mr. Cumming's.
Mixer, Phineas	Unionville, O.,	25 S. C.
Montague, George Lowell	South Hadley,	Mrs. Ayres's.
Montague, William Lewis	Belchertown,	22 M. C.
Moore, Charles William	West Boylston,	Amherst House.
Noerr, Moses	St. Louis, Mo.,	22 N. C.
Orne, John Jr.	Newburyport,	11 N. C.
Packard, Levi Sewall	Spencer,	19 N. C.
Parsons, James Challis	Gloucester,	11 N. C.
Porter, Philip Chester	Berkley,	25 M. C.
Reynolds, Joseph Brown	Concord,	Rev. Mr. Ober's.
Richardson, Henry Jackson	Middleton,	12 M. C.
Singleton, Horace Leonard	St. Louis, Mo.,	26 N. C.
Sprague, Ezra Thompson	W. Killingly, Ct.,	T. Kimberly's.
Strong, Edward Alexander	Boston,	Rev. Mr. Ober's.
Thomas, Chauncey Boardman	New Salem,	Rev. Mr. Ober's.
Washburn, George	Middleboro',	22 M. C.
Webster, Benjamin Franklin	St. Louis, Mo.,	22 N. C.
Wheeler, Henry Martin	Worcester,	Mr. J. S. Adams's.
Wilson, John Loren	De Peyster, N. Y.,	Mt. Pleasant.
Woodworth, Henry Dwight	Lebanon, Ct.,	19 N. C.

SOPHOMORE CLASS.

NAMES.	RESIDENCES.	ROOMS.
Adams, Oliver Miller	Hinsdale, N. H.,	30 S. C.
Andrews, Joseph	Cincinnati, Ohio,	16 M. C.
Bartlett, Lyman	North Hadley,	32 S. C.
Barton, Walter Wilson	Granby,	7 M. C.
Bates, James Atwood	Monson,	12 N. C.
Beardsley, Josiah	Ellsworth, O.,	20 N. C.
Bigelow, Albert	Groton,	16 M. C.
Bloomer, Joseph	Dubuque, Iowa,	7 S. C.
Bradbury, Wm. Frothingham	Westmister,	15 N. C.
Bradbury, Edward Emerson	Westminster,	15 N. C.
Bradley, John Henry	Simsbury, Ct.,	29 M. C.
Bridgman, Chester	West Hampton,	21 M. C.
Buck, Robert Herrick	Cambridge,	Miss Montague's.
Clark, Reuel Baxter	Sunderland,	Mr. Kimberly's.
Cobb, Elisha Grane	Delhi, N. Y.,	15 M. C.
Copeland, George Warren	Stoneham,	Mr. Merrill's.
Cushman, Chester Lemuel	Monson,	28 M. C.
Dodge, John Henry	Wenham,	2 N. C.
Dupré, Adolphe Jr.	New Orleans, La.,	24 M. C.
Ellis, James Marsh	Boston,	Hygeian Hotel.
Gay, Edward	Nashua, N. H.,	21 S. C.

NAMES.	RESIDENCES.	ROOMS.
Goddard, Josiah Hamilton	Orange,	28 M. C.
Goodwin, Edward Payson	Verona, N. Y.,	12 N. C.
Gould, Samuel Augustus	Delhi, N. Y.,	15 M. C.
Graves, Henry Clinton	South Deerfield,	25 N. C.
Graves, Thaddeus	Hatfield,	21 S. C.
Griggs, Charles Edwin	Chaplin, Ct.,	21 N. C.
Guernsey, George Mortimer	Montrose, Pa.,	23 M. C.
Haile, William Henry	Hinsdale, N. H.,	30 S. C.
Hand, Edwin Coleman	Bridgehampton,L.I.,	Cummings's.
Haydn, Hiram Collins	Pompey, N. Y.,	20 N. C.
Hitchcock, Charles Henry	Amherst,	President Hitchcock's.
Kemble, Edward	Wenham,	Mrs. Ferry's.
Kimball, Edward Payson	Ipswich,	15 S. C.
Kimball, William Bird	Oakham,	25 N. C.
Lane, John William	So. Newmarket, N. H.,	32 S. C.
Linsly, Joel	Melville, N. Y.,	2 N. C.
Mather, Richard Henry	Binghamton, N. Y.,	23 N. C.
Norton, Franklin Burroughs	Worcester,	11 S. C.
Pendleton, Cyrus Henry	Bozrah, Ct.,	Dea. Smith's.
Phillips, Daniel	Pittsburgh, Penn.,	23 M. C.
Pond, Nathan	East Brookfield,	21 N. C.
Read, Josiah Torrey	Worcester,	11 S. C.
Reed, Charles Andrew	Weymouth,	30 N. C.
Rice, Stillman	North Leverett,	Pres. Hitchcock's.
Richardson, Martin Luther	Winchester,	28 S. C.
Russell, James	Winchester,	28 S. C.
Savage, Daniel Foster	Eastport, Me.,	7 S. C.
Smith, John Woodbridge	No. Hadley,	Mr. Cummings's.
Spinney, Charles Edwin	Lynn,	15 S. C.
Spring, Charles Harrison	East Wilton, N. H.,	32 M. C.
Staples, Samuel Chester	New York City,	30 N. C.
Stiles, Franklin Osgood	Middleton,	14 S. C.

NAMES.	RESIDENCES.	ROOMS.
Thompson, Amherst Lord	Amherst,	14 S. C.
Van Wyck, Samuel Maverick	Pendleton, S. C.,	Hygeian Hotel.
Ward, William Hayes	Abington,	7 M. C.
Wheeler, George Wakeman	Easton, Ct.,	24 M. C.
Wilder, William Franklin	Shelburne,	7 M. C.

FRESHMAN CLASS.

NAMES.	RESIDENCES.	ROOMS.
Abbe, William Alanson	Boston,	Mrs. Adams's
Abbott, Benjamin Henry	Framingham,	20 S. C.
Aiken, George Edward	Derry, N. H.,	1 M. C.
Allen, Charles Eldridge	Princeton,	Rev. Mr. Cumming's.
Beals, David	Charlemont,	Mr. Kimball's.
Beckwith, George Augustus	East Haddam, Ct.,	17 S. C.
Beckwith, George Henry	Plattsburgh, N. Y.,	Mr. Nims's.
Bicknell, Thomas William	Barrington, R. I.,	Dea. Smith's.
Biscoe, George Street	Grafton,	17 M. C.
Blodgett, George Dana	Pawtucket, R. I.,	Dea. Smith's.
Blodgett, Henry Franklin	Stafford, Ct.,	1 N. C.
Boalt, John Henry	Norwalk, O.,	6 N. C.
Brackett, Gilbert Robbins	Newton,	Rev. Mr. Cumming's.
Breed, Daniel	Lynn,	19 S. C.
Bridgman, Henry Martin	West Hampton,	2 S. C.
Briggs, James Theodore	Orange,	3 N. C.
Burt, Francis	West Hampton,	21 M. C.
Carr, William Otis	Derry, N. H.,	1 M. C.
Chamberlain, Edwin Martin	Boston,	Amherst House.
Clapp, Jacob Crawford	Guilford, N. C.,	18 N. C.
Clark, Asahel Lewis	Amherst,	4 S. C.
Crawford, William	Barre,	17 M. C.
Eastman, Lucius Root	Berkley,	Mr. A. Belden's.
Faust, John William	Graham, N. C.,	18 N. C.

NAMES.	RESIDENCES.	ROOMS.
Fobes, Charles Ford	Amherst,	Mr. Fobes's.
Folsom, Richard	Derry, N. H.,	7 N. C.
Fordham, Jeremiah Leon	Southampton, L. I.,	18 M. C.
Forsaith, William Josiah	Newport, N. H.,	Mr. Cummings's.
Freeman, Allen Brown	Westfield, O.,	28 N. C.
Glidden, Charles Elisha	Claremont, N. H.,	Dea. Smith's.
Gooch, William Boerhaave	Lowell,	Rev. Mr. Cummings's.
Grassie, Thomas Gordon	Bolton,	17 S. C.
Higley, George Trask	Ashland,	2 M. C.
Hooper, Moses	Biddeford, Me.,	Rev. Mr. Ober's.
Jones, Henry White	Hudson, Mich.,	1 S. C.
Johnson, Marshall Maxwell	Northfield,	Dea. Smith's.
Kimball, Joseph	Plaistow, N. H.,	"
Lane, James Pillsbury	Candia, N. H.,	4 S. C.
Morse, Nathan Ransom	Stoddard, N. H.,	1 N. C.
Orcutt, William Cook	Malone, N. Y.,	Mr. Nims's.
Palmer, James Henry	Derry, N. H.,	4 M. C.
Pepper, Geo. Dana Boardman	Ware,	Rev. Mr. Cummings's.
Phillips, Edward Kent	Lynn,	19 S. C.
Porter, George Thatcher	Machias, Me.,	Rev. Mr. Cummings's.
Pratt, Theodore Constantine	South Weymouth,	4 N. C.
Richardson, Daniel Warren	Middleton,	12 M. C.
Rogan, Daniel Henry	Kingsport, Tenn.,	4 N. C.
Sanborn, John Crockett	East Sanbornton, N. H.,	17 N. C.
Sanford, Milton Augustus	Cobleskill Centre, N. Y.,	17 N. C.
Slayton, Abial Harrington	So. Woodstock, Vt.,	Cummings's.
Stevens, Henry Augustus	Derry, N. H.,	4 M. C.
Strong, Charles	Granby, Ct.,	Rev. Mr. Ober's.
Sweetser, John Howard	Amherst,	Mr. Sweetser's.
Tinker, Joseph Emerson	Westfield, N. Y.,	18 M. C.
Walker, Matthew	Ware,	Rev. Mr. Cummings's.
Wortman, Denis Jr.	East Fishkill, N. Y.,	2 M. C.

SUMMARY.

Seniors,	33
Juniors,	54
Sophomores,	58
Freshmen,	56
Undergraduates,	201
Scientific Students,	10
Whole Number,	211

ADMISSION.

Candidates for admission to the Freshman Class are examined in the Grammar of the Latin and Greek languages, Virgil, Cicero's Select Orations, and Sallust, or Cæsar's Commentaries, Writing of Latin, Xenophon's Anabasis and two Books of Homer's Iliad, or an equivalent, English Grammar, Arithmetic and Algebra through Simple Equations.

Candidates for a higher standing are examined in the same, and also in the Studies gone over by the Class, to which they may desire admission.

The stated times for examination are the Tuesday preceding Commencement, and the first day of the following Term. But Candidates may be examined and admitted at other times in the year, excepting that no admission to the Senior Class is allowed later than the beginning of the second Term.

Previously to examination the candidate must exhibit satisfactory testimonials, that he sustains a good moral character. If he has been a member of any other College, he will be expected to present a certificate of regular dismission.

No one can be admitted to the Freshman Class, until he has completed his fourteenth year; and no one to an advanced standing, without a corresponding increase of age.

Course of Study and Instruction.

FRESHMAN YEAR.

FIRST TERM.

- Livy.
- Classical Mythology and Geography, in Fiske's Translation of Eschenburg's Manual of Classical Literature.
- Xenophon's Cyropædia.
- Arnold's Latin Prose Composition.
- Robinson's Algebra commenced.
- Elements of Orthoepy and Elocution. Text-book, Caldwell's Elocution.

SECOND TERM

- Cicero de Senectute, and de Amicitia.
- Homer's Odyssey commenced.
- Grecian Antiquities, in Eschenburg's Manual.
- Arnold's Latin Prose Composition.
- Algebra concluded.
- Elocution continued.

THIRD TERM.

- Cicero de Officiis.
- Homer's Odyssey continued.
- Roman Antiquities, in Eschenburg.
- Loomis's Geometry commenced.
- Fowler's English Grammar.

During the year. A weekly exercise in Declamation. Written Translations from the Ancient Languages, and from English into Latin and Greek.

SOPHOMORE YEAR.

FIRST TERM.
- Horace: Odes and Epodes.
- Demosthenes: Select Orations.
- Archæology of Literature, in Eschenburg.
- Arnold's Greek Prose Composition.
- Loomis's Plane and Spherical Geometry.
- Exercises in Elocution.

SECOND TERM.
- Xenophon's Memorabilia.
- Archæology of Art, in Eschenburg.
- Arnold's Greek Prose Composition.
- Loomis's Plane and Spherical Trigonometry, Mensuration, Surveying and Navigation.
- Cutter's Anatomy and Physiology.
- Stockhardt's Chemistry.

THIRD TERM.
- Horace: Satires, Epistles and the Art of Poetry.
- Coffin's Conic Sections, and Analytical Geometry.
- History of English Language and Literature.
- French, or German.

During the year. Weekly Rhetorical Exercises: Declamations, Debates or English Compositions. Written Translations.

JUNIOR YEAR.

FIRST TERM.
- Plato: Apology and Crito.
- History of Classical Literature, Eschenburg.
- Practical Exercises in the Differential and Integral Calculus.
- Olmsted's Natural Philosophy: Mechanics.
- French, or German continued.

SECOND TERM
- Plutarch de Sera Numinis Vindicta.
- Tacitus: Germania and Agricola, and Histories.
- Olmsted's Philosophy: Hydrostatics, Pneumatics, Electricity, Magnetism and Optics.
- Whately's Rhetoric.
- French, or German continued.

THIRD TERM.
- Homer's Iliad.
- History of Classical Literature finished.
- Olmsted's Astronomy.
- Zoology.
- Gray's Botany.

During the year. Two weekly Rhetorical Exercises: Declamation, Debates, or English Composition. Biblical Ethics, with Wayland's Moral Science.

SENIOR YEAR.

FIRST TERM.
- Philosophy of the Mind. Text-books, Upham, Reid and Stewart. Lectures, and also Dissertations or Discussions by the Class on each subject.
- Chambers's Zoology.
- Paley's Evidences of Christianity.
- Campbell's Philosophy of Rhetoric.
- Kames's Elements of Criticism.

SECOND TERM
- Philosophy of the Mind continued. Stewart's Active and Moral Powers, Walker's edition. History of Philosophy by Lectures.
- Hitchcock's Geology.
- Butler's Analogy.

THIRD TERM.
- History of Philosophy, by Lectures.
- Wayland's Political Economy.
- Natural Theology.
- Latin and Greek reviewed.
- Italian, at the option of the student.

Natural Theology, Mineralogy, Botany, Zoology, Anatomy, and Physiology are taught chiefly by Lectures and subsequent examinations. The works recommended in these branches are the Bridgewater Treatises, Shepard's and Dana's Mineralogy, Gray's and Wood's Botany, Agassiz and Gould's Zoology, Wilson's and Paxton's Anatomy, Carpenter's Physiology, and Cutter's Anatomy and Physiology. Recitations, however, are heard in Anatomy and Zoology.

The following books are recommended for reference in the Classical Department: Andrews and Stoddard's and Zumpt's Latin Grammars, Andrews's or Leverett's Latin Lexicon, Ramshorn's Latin Synonyms, Crosby's and Kuhner's Greek Grammars, Liddell and Scott's Greek Lexicon (Drisler's Edition), Munk's Greek and Roman Metres, Anthon's Classical Dictionary, Butler's Atlas Classica, and Smith's Dictionary of Greek and Roman Antiquities.

Text-books in Modern Languages: Ollendorff's German Grammar, Adler's Progressive German Reader, Schiller's William Tell, Practical French Grammar (Pinney and Badois), De Fivas's Classic French Reader, Madame De Stael's Germany, Ollendorff's Italian Grammar, Teatro Italiano Scelto. For reference: Adler's German Dictionary, and Spiers and Surenne's French.

There are three regular Recitations or Lectures daily, excepting Wednesday and Saturday, when there are two.

On every Wednesday afternoon, there is a public Exercise in Declamation, in which the classes speak by divisions, and for which they are prepared by private rehearsal before the Professor of Rhetoric. Seniors and Juniors deliver original Compositions.

There is a Biblical Exercise in the several Classes once each week. These recitations are accompanied by familiar Lectures from the Instructors.

Public Worship is attended in the Chapel every Sabbath; and Prayers every morning and evening. One evening each week, there is a Religious Service by the President, or one of the Professors, which all the Students are invited to attend.

LECTURES.

1. Geology, the first Term.
2. Rhetoric, Oratory and English Literature, each Term.
3. Natural Philosophy, each Term.
4. Classical Literature, or Antiquities, each Term.
5. Botany and Mineralogy, third Term.
6. Chemistry, second Term.
7. Psychology, first and second Terms; History of Philosophy, second and third Terms; Ethics, third Term.
8. Anatomy and Physiology, illustrated by the Manikin, second Term.
9. Zoology, the first Term.
10. Natural Theology, the third Term.

EXAMINATIONS.

1. Of all the Classes, at or near the close of the first and second Term.
2. Of the Senior Class, six weeks preceding Commencement.
3. Of the three Lower Classes on the week preceding Commencement.

A Record is kept by the Faculty of the attainments of every student, and also of his delinquencies. Information concerning his proficiency and deportment is, when requested, communicated to the parent or guardian.

PUBLIC PERFORMANCES.

1. Exhibitions, in the second and third Terms.
2. Declamation on Tuesday evening preceding Commencement.
3. Commencement on the second Thursday of August. (August 10, in 1854.)

On the day preceding Commencement, several public Orations or Addresses are usually delivered before Societies connected with the College, by gentlemen invited from abroad.

VACATIONS.

1. Four weeks from Commencement. (From Aug. 10, to Sept. 7, in 1854.)
2. Six weeks from the Wednesday preceding the annual State Thanksgiving. (From Nov. 23, 1853, to Jan. 4, 1854.)

3. Three weeks from the third Wednesday of April. (From April 19, to May 10.)

Such students, as are obliged by their circumstances to teach school in winter, are allowed to be absent for the purpose.

EXPENSES.

The following are the principal necessary expenses, exclusive of vacations:

Tuition, $10.00 per Term, - - -	$30.00	$30.00
Room Rent, $3.00 per Term, - - -	9.00	9.00
Recitation Rooms, and Ordinary Incidentals, $2.00 per Term. - - - -	6.00	6.00
Fuel and Lights, from $9.00 to $11.00, -	9.00	11.00
Board, lowest price in companies, $1.00 per week; highest price in families, $2.00 per week; making per year of *thirty-nine* weeks,	39.00	78.00

The expenses for Room Rent, Fuel and Lights, are estimated on the supposition that two students occupy the same room.

A small charge, additional to the regular Tuition, is requisite in one of the Terms of Sophomore year, for the Lectures on Anatomy.

In case of admission to an advanced standing, a fee of five dollars per Term, which is one-half of the regular charge for Tuition, will be required, unless such standing shall have been attained in another College.

There are some expenses, which result from taxes voluntarily imposed by the classes or societies. These, and expenses for furniture, stationery, &c., will vary according to circumstances and the character and habits of the student.

In incidental expenses, if the parent or guardian furnishes money, or authorizes the contracting of debts, a student may be very extravagant. To guard against this, parents often deposit funds with some one approved by the Faculty, who for a moderate charge will give particular attention to the pecuniary affairs of the student, and render an account of expenditures.

It is earnestly recommended to all parents and guardians not to authorize the obtaining of credit, and not to pay debts unauthorized.

PAYMENTS.

The amount of the first Term Bill must be paid by each student on his admission. Each subsequent Term Bill becomes due at the close of the Term for which it is assessed. A bond with satisfactory surety for the payment of all the College Bills must be given by each student to the Treasurer, at the commencement of the Term when he enters.

ASSISTANCE TO BENEFICIARIES.

The regular Term Bills of beneficiaries of Charitable Associations, and other indigent pious youth preparing for the Christian Ministry, are entirely paid from the fund appropriated to that purpose. A number of indigent students are gratuitously supplied in part with furniture.

LIBRARIES AND CABINET.

The Libraries of the College and Literary Societies contain about 18,000 volumes. The College Library is accessible to all the students, according to rules established by the Library Committee. The Libraries belonging to the two Literary Societies are accessible to the members of the Societies, according to regulations established by themselves.

The Society of Inquiry has a small Museum.

The Cabinet, part of which is owned by the College, and a part deposited by its officers, occupies several rooms, and is arranged and labeled for study.

In Mineralogy, nearly all the known species are represented by about 4,600 specimens.

In Geology, there are 20,000 specimens of American and Foreign rocks and fossils.

In Botany, the herbaria contain 4,000 species of plants. The seeds and fruits of 300 species are deposited in the Zoological Museum.

In Zoology, there are about 2000 specimens of 400 species of vertebrated animals, 8000 species of shells, 5000 species of articulated animals, and 200 species of radiated animals.

DEPARTMENT OF SCIENCE.

SCIENTIFIC STUDENTS.

NAMES.	STUDIES.	RESIDENCES.
Alger, Charles	Chem. & Geol.,	Hudson, N. Y.
Cooper, John Evans	Chem. & Geol.,	Cooper's Plains, N. Y.
Carney, Charles	Chemistry,	Lowell.
Hannaford, David O'sheal	Chemistry & Philol.,	Suffolk, Va.
Johnson, Franklin Eugene	Engineering,	Enfield, Ct.
Kendall, Jonas Chiles	Chemistry,	Dunstable.
Lafon, John	Chemistry,	Harrodsburg, Ky.
Nason, Henry Bradford	Chem. & Geol.,	Easthampton.
Putnam, Daniel	Chemistry,	Fairfax, Vt.
Ross, Joseph Milton	Math. & Engineering,	Springfield.
Savil, Henry Martyn	Chemistry,	Boston.
Sears, Amos Gould	Chem. & Geol.,	Rockingham, Vt.

Plan of Instruction.

THE *object* of this department is to furnish facilities for the special study of certain branches of science or literature. The department is designed for graduates of this or of other colleges, and for any others who possess the qualifications for admission. It is especially adapted for the benefit of teachers who may wish to qualify themselves to give instruction in any of its branches. Students will not be required to attend any of the College exercises.

Admission. A good moral character, and a good English education, are requisite for admission to any of the branches of this department. A knowledge of algebra, geometry, and trigonometry is required for admission to the branches of Mathematics, Natural Philosophy, and Engineering. Students will not be admitted for less than one term; but in Chemistry, instruction may be obtained for any less time.

Plan of Study. Each student will select the branch or branches to which he will attend. Instruction will be given by practical exercises, recitations, or lectures, as the subject may require. The students may attend lectures, which are given in the Academic department.

Instruction in the several branches will be given during the same terms as in the Academic department, and at such other times as may be agreed upon with the Instructors.

I. GEOLOGY.

Instruction in this branch will be given by the PRESIDENT. Students will have every facility for consulting the geological cabinet, which contains 20,000 select specimens, illustrating the geology of the United States, of Great Britain and Continental Europe, of Asia Minor, and of many other parts of the world. The cabinet contains the suites of specimens collected in the geological surveys of Connecticut, Massachusetts, and Vermont; also a very large collection of fossil footmarks and of concretions. The President will make excursions with the students in the neighboring country.

The following works may be used as text books, or books of reference:

Elementary Text-Books. Hitchcock's Elementary Geology; Lyell's Manual of Elementary Geology; De la Beche's Geological Manual; De la Beche's Geological Observer; M. Alcide D'Orbigny's Cours Elèmentaire de Palèontologie et de Geologie Stratigraphiques.

Books of Reference. Reports on the Geological Surveys of the different States.

II. MATHEMATICS, NATURAL PHILOSOPHY, AND ENGINEERING.

Professor Snell will give instruction in these branches. Analytical Geometry, Trigonometry, and the Calculus will be pursued beyond the limits of the Academic course, and applications of them made to Mechanical science. Students can have instruction in Experimental Philosophy, with access to the extensive collection of apparatus in the Philosophical Cabinet. Descriptive Geometry, Shades and Shadows, Perspective, and other subjects connected with Engineering, will be taught by text books and practical exercises in drawing. In the summer and fall terms, instruction will be given in the use of instruments in field operations, as surveying, levelling, and the location of roads.

Text-Books. Chauvenet's Plane and Spherical Trigonometry; Loomis's Analytical Geometry and Calculus; Young's Calculus; Young's Mechanics; Davies's Descriptive Geometry; Davies's Shades and Shadows; Wiesbach's Mechanics and Engineering; Gillespie on Roads and Railroads.

III. CHEMISTRY.

The Laboratory having been thoroughly repaired and furnished with all necessary conveniences for the study of Experimental Chemistry, will be open for the reception of pupils during the year, without regard to the College terms.

The course of instruction will be adapted to the wants of each student, according to his knowledge and proficiency, and the business for which he may desire to qualify himself. As the number of students is quite limited, it is confidently believed that every one will receive such attention as will enable him to make satisfactory progress in his studies.

Professor Clark having associated with himself Dr. J. W. Mallet, a graduate of the Universities of Goettingen and Dublin, is prepared to furnish, promptly, and on the most reasonable terms, correct analyses, soils, ores, drugs, &c., &c., as well as to give advice in any case of the application of Chemistry to the Arts. The charge for tuition is $2,50 per week for any period less than ten weeks, and $2,00 per week for a longer time, to be paid in advance.

Chemicals and apparatus will be furnished at the lowest prices, and a suitable allowance made for such as are returned.

The following works will be used as text-books, or for reference:

Stockhardt's Principles of Chemistry; Will's Qualitative Analysis; Rose's Analytical Chemistry; Berzelius on the Blowpipe; Johnston's Lectures on Agricultural Chemistry; Gmelin's Handbook of Chemistry; Schubarth's Handbuch der Technischer Chemie; Mitchell's Manual of Practical Assaying; United States Dispensatory.

IV. AGRICULTURE.

The elements of Agriculture will be taught theoretically and practically by the Rev. J. A. Nash. *Books:* Nash's Elements of Agriculture, Practical and Theoretical; Norton's Elements of Scientific Agriculture; Girardin and Du Breuil's Cours Elementaire D'Agriculture; Johnston's Lectures on Practical Agriculture; Allen's Domestic Animals.

For Agricultural Chemistry, see under Chemistry.

V. MINERALOGY.

Instruction will be given by Professor Shepard. His cabinet contains nearly all the known species, represented by 6000 choice specimens, with a great variety of crystalline forms; and one of the three most extensive and valuable collections of meteorites now existing in the world.

Text-Book. Shepard's Treatise on Mineralogy.

VI. ZOÖLOGY.

Professor Clark will give instruction in general and descriptive Zoölogy. Students will have access to the Zoölogical Museum, which contains 13,000 species. In some branches the species are represented by many specimens of each, illustrating the nature of species and their geographical distribution. The following text-books may be used: Jones's Animal Kingdom; Agassiz and Gould's Principles of Zoölogy; Chambers's Zoölogy; Cuvier's Regne Animal. Special books on particular branches may be used.

VII. BOTANY.

Instruction will be given in Botany. Students will have access to herbaria containing 5000 species, and to a collection of tropical seeds. The following text books will be used: Gray's Botanical Text Book; Wood's School Botany.

VIII. PSYCHOLOGY AND HISTORY OF PHILOSOPHY.

Professor Haven will give instruction in these subjects; and if desired, in Logic and Political Economy. The text books in Psychology will be, Reid, Stewart, and Brown; in the History of Philosophy, Morell, and Cousin.

IX. PHILOLOGY AND LITERATURE.

Professor Tyler and Professor Jewett will give instruction in Greek and Latin to graduates of this or of other colleges, who may wish to pursue

such studies beyond the limits of the Academic course. Mr. MERRICK will give instruction, if desired, in the Persian, Arabic, and Turkish Languages and Literature PROFESSOR WARNER will give instruction in English Literature. Instruction may also be given in the Hebrew, German, French, and Italian languages.

LIBRARY.

Besides the general collection of works in the various branches, there are special collections in Zoölogy, and Intellectual Philosophy. Additions are also being made in Chemistry, Mineralogy, Geology, Botany, and Philology. Students in the Scientific Department will have access to these books under the direction of the Instructors.

Fees. The fees for instruction may be agreed upon with the Instructors, but in other departments than Chemistry, shall not exceed $20 per term (13 weeks) for five exercises per week, or in proportion for a different amount of instruction. The fees may be reduced in favor of indigent students, and in favor of classes consisting of several students. For charges in the Chemical Department, see under Chemistry.

All fees must be paid in advance.

No charge will be made for the use of the cabinets, or for attendance on lectures in the Academic course. The Library is accessible to Scientific Students on the same terms, as to other members of College.

Degrees. The degree of Bachelor in Science may be conferred on students who attend for one year, and sustain a satisfactory examination, in not less than two branches. These branches will be specified in the diploma, which will bear the signatures of the President and of the Instructors in the branches studied by the candidate. Recommendations to the Trustees for degrees will be granted by vote of the Faculty.

Students who do not complete the course necessary for a degree, will be entitled to certificates of their actual attainments from the Instructors.

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